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Recognizing characters in scene images

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Abstract

An effective algorithm for character recognition in scene images is studied. Scene images regions by an image segmentation method based on adaptive thresholding. Character call detected by observing gray-level differences between adjacent regions. To ensure extrac characters as well as single-segment characters, character pattern candidates are obtthe detected regions according to their positions and gray levels. A character recognition 1 patterns with high similarities by calculating the similarities between character pattern can standard patterns in a dictionary and then comparing the similarities to the thresholds. I approach to determine character patterns updates the similarities by evaluating the interacategories of patterns, and finally character patterns and their recognition results are obta promising experimental results have been obtained using the method on 100 images invo different sizes and formats under uncontrolled lighting

Index Terms Inspec

Controlled Indexing

image segmentation optical character recognition

Non-controlled Indexing

adaptive thresholding character recognition image segmentation multisegment characters relaxational approach scene images

Author Keywords

Not Available

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No references available on IEEE Xplore.

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